

APPENDIX C

ETL 1110-2-231  
30 Mar 1979

FISH EGG PROTECTION AND SURVEILLANCE

<u>Reference Number</u>	<u>Structure</u>	<u>Item</u>	<u>Responsible Party</u>
1	<u>Sprinkler Irrigation System</u>	Pumps, pipe and sprinklers will be set up to cover six areas of spawning beds. All needed equipment is on order or on hand. Delivery of pumps and pipe is scheduled for 1 Oct 76. These will be installed and test-operated during the week 4-8 October. This work will be done by Project O&M staff (including two temporary utilitymen). All systems will be tested again the day prior to closure.	Kenoyer
2	<u>Water Level Gaging</u>	Water Level Gaging of the spawning bed areas downstream will be done by driving steel fence posts, painted with 6" stripes, at selected locations in the river. Readings will be taken of water levels during spawning activity, especially at the time of aerial photo flights, at the time of closure, and at four-hour intervals thereafter until the river level returns to the point where irrigation is terminated. Readings will be taken by O&M staff, logged and recorded by Harry Weise.	Kenoyer
3	<u>Operation</u>	Operation of the sprinkler irrigation system will begin two hours prior to closure and continue as long as needed. Operation will be done by O&M staff supplemented by temporary utilitymen. A foreman and four men will be used for each shift. Two nine-hour shifts per day, every day are planned. During the remaining period per day, the operation will be monitored by a roving operator. Additional help, if needed, will be on call.	Kenoyer

ETL 1110-2-231  
30 Mar 1979

<u>Reference Number</u>	<u>Structure</u>	<u>Item</u>	<u>Responsible Party</u>
4	<u>Biological Surveillance</u>	Oregon Department of Fish and Wildlife is under contract to the Corps to estimate egg and fry mortality in the Rogue River below Lost Creek Dam due to closure. Mortality will be based on egg sampling, in-river survival experiments and simulated conditions of Cole M. Rivers Hatchery. Activities at Oregon Department of Fish and Wildlife will be observed by District Biologists. District Biologists will also maintain constant surveillance of redd protection activities until irrigation is terminated. It is estimated that a minimum of three persons will be required to accomplish Biological Surveillance.	Kenoyer